



**BEGINNER'S  
GUIDE TO  
ECO  
RENOVATION**

UNDERSTAND  
THE BASICS

AND

THE BEST  
QUESTIONS TO ASK



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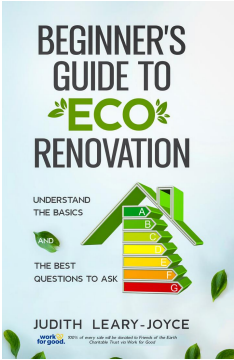
WITH ILLUSTRATIONS BY JANEY HARRISON

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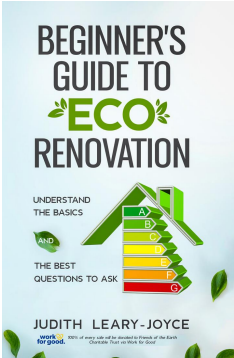
# What does retrofit involve?

- **Insulation** – loft, under floors, external walls. Extends barrier between inside and outside
- **Airtightness** – stop all uncontrolled air. Windows, doors, floors, inlet pipes, light fittings
- **Ventilation** – provide controlled fresh air to maintain positive living environment; stop condensation and mould
- **Breathability** – home older than 1930's you need breathable materials
- **Heating** – air source/ground source heating, solar PV, solar water heating

# Internal insulation – walls and floor using wood fibre



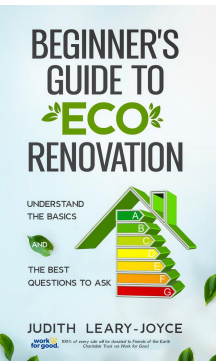
# Single Room Heat Recovery Ventilation Units



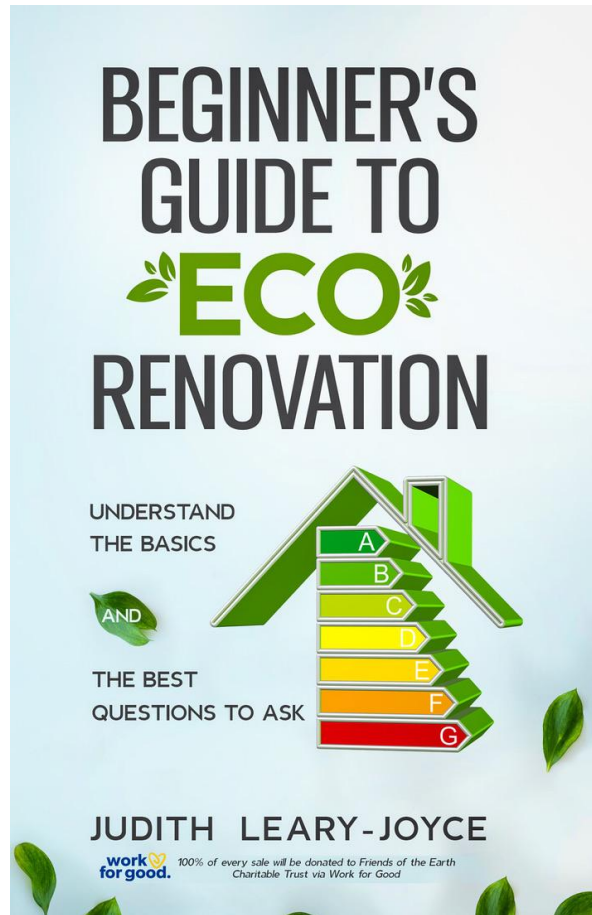
# Air Source Heat Pump (ASHP)



# The finished article

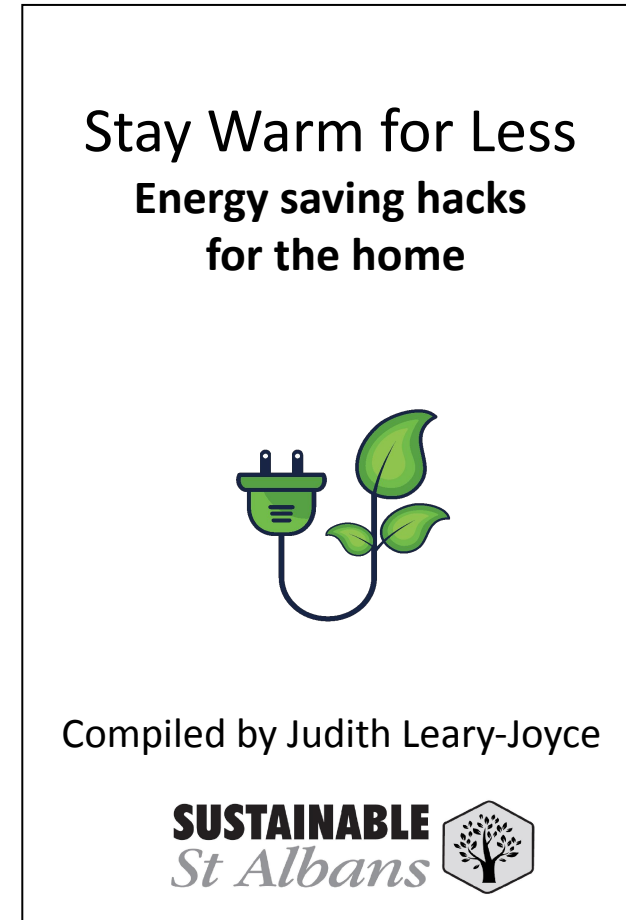


## Deep retrofit



Available on Amazon and all good bookshops

## Shallow retrofit



Available to download EcoRenovationHome.com